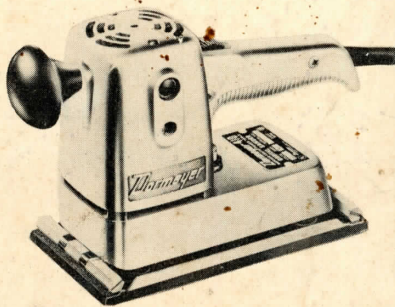
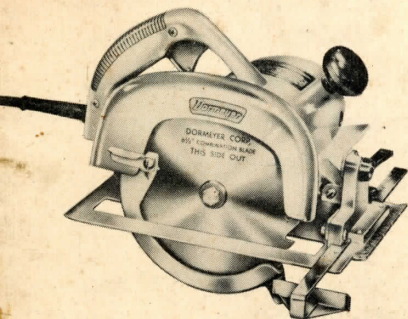




INSTRUCTION *Manual*



DORMEYER
POWER SAW • ELECTRIC SANDER

- POWER
- MAINTENANCE
- BLADE
- VOLTAGE
- OPERATION
- LUBRICATION
- CHANGING BLADES
- POCKET CUTS
- DEPTH
- BEVEL
- RIP FENCE
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- USE OF SANDER
- ABRASIVES
- GENERAL TIPS
- FINISHING WOODWORK
- FINISHING FLOORS
- SANDING METALS
- WAX AND POLISH
- CARE OF SANDER
- ACCESSORIES

DORMEYER POWER TOOLS

INSTRUCTION MANUAL

Highest quality, parts and construction go into your Dormeyer Portable Power Tools. They are a product of skilled manufacture, inspection, and testing. Built to give lasting dependability and maximum efficiency. Read the following instructions for proper operation and maintenance of your *Dormeyer* power tool.

POWER

All Dormeyer power units are universal type AC-DC motors, designed for use at 115 volts. Be sure outlet provides correct voltage as shown on the nameplate.



perating Instructions

DORMEYER POWER SAWS

MAINTENANCE

Brushes and Commutator: Inspect periodically. Remove the brush holder caps from sides of motor housing, lifting brushes and springs out. Replace brushes if burned or worn short, or if brush springs are damaged.

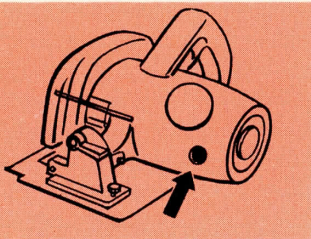
Inspect commutator through brush holder openings. If rough or dirty, clean with 3/0 or fine sandpaper. *Never use emery cloth.* If grooved, send to factory repair branch for service.

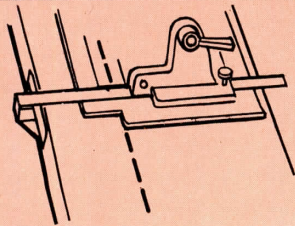
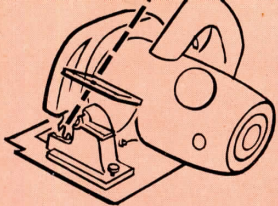
BLADE

Dull blades slow work and may damage saw by overloading. Keep extra Dormeyer blades on hand to use while dull blades are sharpened.

VOLTAGE

Your Dormeyer portable power saw will operate on either alternating or direct current. However, carefully check that the voltage of the receptacle is the same as specified on the Dormeyer power saw nameplate before using.





OPERATION

An exclusive eye shield is supplied with each Dormeyer Saw, making it possible for the operator to view the saw blade as it cuts, with no danger from flying chips. The eye shield snaps into place over the top vent opening on the front of the motor housing. Cutting line is indicated at the front edge of the saw shoe. To make a cut, rest front edge of saw on work and line up guide with line of cut. When cutting be sure base is flat on work. Guide saw into work, using steady pressure. Do not force saw. A smooth, even pressure is all that is necessary. Always place work so that the finished or exposed side is on the bottom. Portable saws cut from the bottom of the work and the blade may splinter top surface.

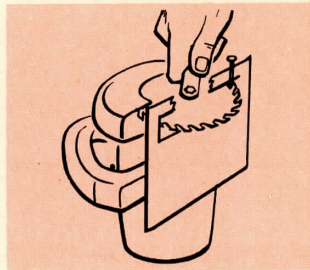
Prolong switch life by not starting or stopping saw under load. Using switch while cutting causes excessive arcing that burns switch contacts. Start motor before applying saw to work; stop cutting before releasing switch.

LUBRICATION

To lubricate gear housing, set saw on pedestal base. Remove saw blade, rubber bumper, lower guard spring, front pivot bracket bolt and lower guard retainer. Lift out lower guard. Remove 4 screws from adapter. Take hold of mandrel and lift gear unit out. With a clean brush dipped in kerosene, remove all lubricant from gear case and gears. CAUTION: Do NOT DIP the bearing in kerosene or any other solvent. Fill the gear teeth with Dormeyer lubricant No. 01-53292-00 or Marfak No. 5 and place one tablespoon in cavity around pinion. CAUTION: Do not fill cavity.

CHANGING BLADES

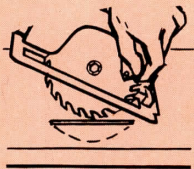
Changing blades on Dormeyer saws is safe, fast and easy. Set saw on its flat base, hold blade firmly from turning by means of a nail inserted in hole in blade or between blade teeth. Turn saw wrench (supplied with every Dormeyer saw) counter clockwise to loosen blade screw. Retract telescoping guard and remove old blade. If blade screw is very tight, a sharp blow on the wrench may be necessary.



MAKING POCKET CUTS

Rest front edge of saw on work and line up guide with line of cut. Lift lower blade guard with safety retracting handle, start motor, and using front edge of shoe as a pivot, lower saw until blade cuts through work and shoe rests flat. Drop lower guard and follow line of cut.

No portable saw should be pulled backward in cut while running because of danger of kick back. If necessary to make short back cut, turn saw around.



DEPTH ADJUSTMENT

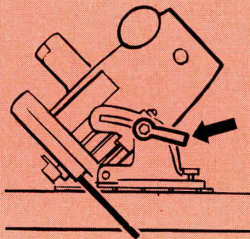
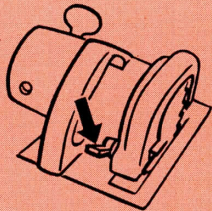
Dormeyer power saws are equipped with a handy, easily operated lever at the rear of the saw for depth adjustment. Loosen this lever and adjust foot to desired depth of cut and tighten firmly.

When cutting thin materials, such as plywood, wood veneer and plastics, proper depth adjustment is important. Unless you are completely familiar with a particular application, it is best to experiment with depth adjustment, applying shallower adjustments first. Shallow adjustments give longer contact arc (putting more teeth in work) and cutting will be smoother because teeth tend to mill the work from the edge rather than impact it from below.

When cutting thick materials, such as framing lumber, maximum depth adjustment gives faster cutting and places less load on saw.

BEVEL ADJUSTMENT

All Dormeyer power saws are also equipped with a handy lever at the front of the saw for adjusting the bevel. Loosen lever, and tilt shoe to desired angle and tighten lever firmly.



USE OF RIP FENCE

A rip fence attachment can be used on either the right or left hand side of the saw. It makes ripping easier and more accurate because it eliminates measuring and marking and assures a straight cut. A rip fence is standard equipment on all Dormeyer power saws.

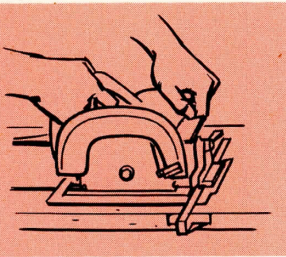
SET SAW IN POSITION FOR CUT

Adjust guide to the width of cut desired by setting the dimension on the rip fence in line with the cutting edge of the saw shoe, and lock in position with thumb screw.

CUTTING STONE AND MASONRY MATERIAL

When using saw with abrasive disc in cutting stone, tile, concrete and masonry materials, be sure to observe the following:

The speed of the disc in the work does the cutting, not the amount of pressure placed behind the tool. Firm, even pressure against the material will result in fast, accurate cutting, will help to eliminate disc breakage and will increase the life of the disc. If possible, blow out tool daily with compressed air.



HOW TO USE YOUR DORMEYER ELECTRIC SANDER

Without question, you now own the finest sander on the market . . . the easiest to use . . . and the most dependable for many more hours of faster, smoother sanding on all materials. With the simplest care . . . and correct use . . . it will last indefinitely.

ABRASIVES YOU CAN USE

Actually, the Dormeyer Sander will take practically all standard abrasives for dry or wet sanding: garnet, emery, silicon, aluminum oxide—all available in either open- or close-coated surface. (In open-coated types the grains are farther apart while in the close-coated abrasives, the grains are so close that there is no space between them.)

For most sanding jobs, the open-coated abrasive is preferable, and for general wood sanding, the garnet paper is better. It is tougher and lasts longer.

All abrasives are numbered according to the mesh or grit. The larger the number, the finer the grit. Therefore, if you chose Grade 8/0, the mesh or grit would be suitable for finest sanding.

GRADES OF ABRASIVES

Grade	Grit	Kind
8/0	280	Very fine
7/0	240	Very fine
6/0	220	Very fine
5/0	180	Fine
4/0	150	Fine
3/0	120	Fine
2/0	100	Fine
0	80	Medium
1/2	60	Medium
1	50	Medium
1 1/2	40	Coarse
2	36	Coarse

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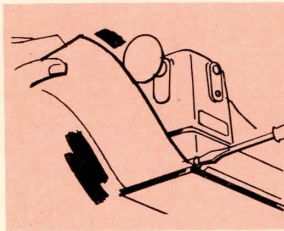
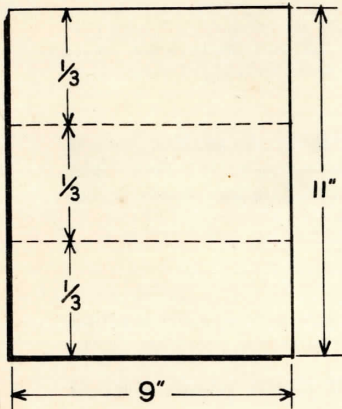
These abrasives are available at your dealer.

"Open Coated" paper has space between grains to prevent clogging.

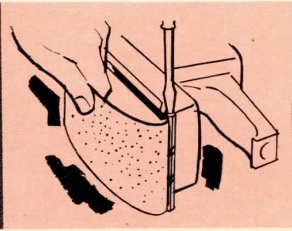
"Close-Coated" paper has no space between grains.

HOW TO ATTACH ABRASIVES

Your Dormeyer Sander is so designed that it permits the most economical use of abrasives. The usual abrasive sheet is 9" x 11". Cut the sheet into three equal sections.



Simply insert one end of abrasive sheet under the holder, then turn the holder with a screwdriver until it has taken up about one inch of the abrasive sheet.



Now insert the other end of the abrasive paper under the second holder, then turn it with a screwdriver until it reaches the maximum tension. You will see that now the paper is flat and even.

Because of these practical abrasive holders on the Dormeyer Sander, the paper is held with maximum tension. It is even and flat against the pad for smoothest sanding and will not slip.

Do ALL THESE SANDING JOBS EASILY, QUICKLY *with your* DORMEYER SANDER

Your Dormeyer Sander is so well-balanced in design and so light in weight that you can use it for hours without fatigue. *Just let the sander do the work.* Do not press down on it. By its own weight, the Dormeyer Sander will sand down efficiently and quickly. In this way, you will produce better sanding, without gouging or ridging.

Guide Sander along grain of wood in long, fast strokes.

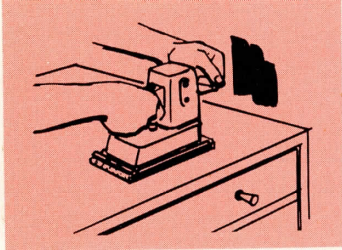
The highly functional design of the Dormeyer Sander also permits you to sand in corners and other hard-to-get-at places. The knob is removable so that you can sand a floor right up to the wall or sand a wall right up to the ceiling. In such cases, you can screw in the knob on either side of the Sander for easier two hand operation.

GENERAL TIPS ON SANDING

For best results, if you intend to produce a fine surface, it is always wise to start sanding with a coarse abrasive. After this first sanding, change to a finer abrasive and then again to an even finer one until you get the finish you want.

For very fine finishes, many craftsmen prefer to use linseed oil or fine pumice with oil for final sanding.

If you want to remove paint, varnish or similar coatings, it is preferable to use a paint or varnish remover recommended by paint manufacturers. It is almost imperative to remove varnish with a varnish remover if you want to achieve best results. After you do this, you can finish off with a fine abrasive.



HOW TO FINISH OR REFINISH WOODWORK, FURNITURE, CABINETS, ETC.

Remove old finish with paint or varnish remover.

Wash thoroughly with soap and let dry.

Clean off surface with alcohol or turpentine and let dry.

Sand down surface with a coarse abrasive and follow with two finer abrasives, finishing with a fine grain.

Now stain as recommended by manufacturer.

Wash down surface with a dilution of shellac—or sealer—3 parts water and 1 part shellac or sealer. Let dry.

Sand down again with fine abrasive.

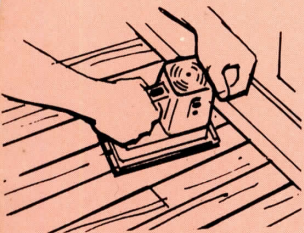
Apply filler and sand. Apply sealer and then sand.

Now apply varnish, lacquer or paint, as desired. Let dry and then sand with very fine abrasive, using water or oil, until surface is very smooth.

You may now wax the surface, but if you want a glossy finish, rub down the surface with a mixture of linseed oil or other lubricant and pumice powder. For this rubbing, place a cloth or felt pad on the sander.

Rub surface lightly with cheese cloth.

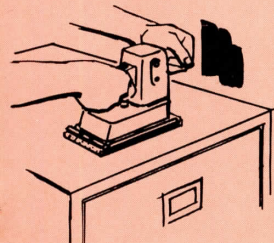
NOTE: These are general directions. For more detailed instructions on various kinds of finishes, consult any direction sheet available at your paint or materials dealer.



HOW TO FINISH WORN SPOTS ON WOOD FLOORS

Sand down spots with 1/0, 3/0, 6/0 abrasive. Be sure to “feather out” sanding to the good edges of floor spots.

Now use a very fine abrasive and then wash spots with soap and water; let dry and then recover with shellac.

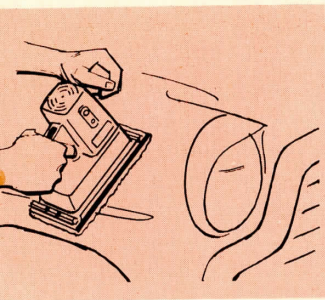


HOW TO SAND ON METALS

If the surface is rough—like castings—start with a 1/0 aluminum oxide and finish off with two or three finer papers.

If the surface is merely scratched or if the finish is worn off, start with a 3/0 or finer abrasive.

Your Dormeyer Sander is also useful for removing rust. Grade of paper depends largely on amount of rust and the kind of metal surface. For fine metals, naturally you use a fine abrasive.



HOW TO WAX AND POLISH

Waxing and polishing by hand is certainly hard, tedious work—but with your Dormeyer Sander, you can do both jobs in practically no time at all.

For waxing furniture, family car, etc. simply place a cloth pad on your Sander, and it will do the rest. To polish, place a lamb's wool pad on the Sander, and your job is finished in practically no time at all. In this way you can polish plastics, silver, porcelain, leather and many other materials.

OTHER USES FOR YOUR DORMEYER SANDER

To remove dirt from marble.

To remove rough spots on hides and to polish leather.

To sand down rough spots, uneven joints on plaster and plasterboards.

To sand and wax rubber tile.

To clean tile, slate, wallpaper.

To smooth down edges of glass and mirrors.

To frost mirrors.

H OW TO TAKE CARE OF YOUR DORMEYER SANDER

Your Dormeyer Sander has ball bearings sealed and lubricated for life except for armature bearing at top of motor housing. One or two drops of fine oil should occasionally be put in the small hole at the top of motor housing.

Brushes and commutator should be checked periodically. You can inspect brushes by removing brush caps on top of motor housing. If the brushes are worn down to about $\frac{1}{4}$ " length, replace them with new ones. To check commutator, look through the brush holder openings. If it is rough or dirty, clean with 3/0 or finer sandpaper. (NOTE: *Never use emery paper!*) However, if the commutator is deeply grooved, send the Sander to Dormeyer factory repair branch for service.

S AW BLADES AND ACCESSORIES FOR DORMEYER POWER TOOLS

PART NO.

01-57028-00

01-57108-00

01-57107-00

01-57165-00

01-57164-00

01-57132-00

01-57186-00

02-57030-00

01-53292-00

02-57035-00

02-54024-00

DESCRIPTION

6 $\frac{1}{2}$ " Combination—Ideal for both rip and cross cut work—general use.

6 $\frac{1}{2}$ " Cross Cut—For cross grain cuts, squaring, trimming, cutting to length.

6 $\frac{1}{2}$ " Rip—For top speed and efficiency in cutting with grain.

6 $\frac{1}{2}$ " Fine Tooth—For cutting Celotex or similar soft wallboard; $\frac{1}{16}$ " or thinner plastic materials.

6 $\frac{1}{2}$ " Flooring—For cutting when nails may be encountered, repairing old floors, cutting crates.

6 $\frac{1}{2}$ " Planer (Miter)—For finished cuts which require little or no sanding.

6 $\frac{1}{2}$ " Abrasive Disc—General purpose type for cutting concrete, tile, ferrous metals.

Rip Fence and Mounting Screw for use with All Dormeyer portable power saws, Fits on front of saw shoe; guides saw accurately to cut uniform width. No layout marks necessary—saves repeated measuring and marking on work; adjusts from 1 $\frac{3}{16}$ " to 6" for right hand cut; from 5" to 13" for left hand cut.

Lubricant compounded especially for All Dormeyer portable saws.

Clip-on Eye Protector for All Dormeyer portable power saws.

Package of 12 sanding sheets, 4 each, fine, medium and coarse grades for Dormeyer Orbital Sander.

DORMEYER FACTORY GUARANTEE

Service instructions are on guarantee card packed with each tool

IRONCLAD GUARANTEE

This is to certify that this Dormeyer tool was thoroughly inspected, tested and found to be standard in every way.

We guarantee this Dormeyer tool to be free from defects in material and workmanship for a period of one year from date of purchase, **provided we are promptly notified of the purchase by return to us of the attached Post Card** with information furnished us as therein called for, and provided further that the tool or part claimed defective is returned by **prepaid Parcel Post** to our factory or Service Station.

This guarantee applies only if the tool has been operated as we direct, on the voltage shown on nameplate, and if no unauthorized repairs have been attempted. It does not apply in cases of accident, misuse or natural wear. In such cases we will repair at cost.

DORMEYER CORPORATION • POWER TOOL DIVISION

Kingsbury and Huron Streets • Chicago 10, Illinois

01-54028-00